

|                                                                                                                                                         |      |                                                                                                                                                   |      |                                                                          |       |      |      |      |      |       |       |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------|-------|------|------|------|------|-------|-------|--------|
| <b>CELSA HUTA OSTROWIEC</b><br><br>CELSA "HUTA OSTROWIEC" Sp. z o.o.<br>ul. Samsonowicza 2<br>27- 400 Ostrowiec Św. Poland                              |      | <b>ŚWIADECTWO ODBIORU 3.1</b><br><b>INSPECTION CERTIFICATE</b><br><b>ABNAHMEPRÜFZEUGNIS</b><br><br>według/acc. to/entsprechend EN 10204:2004      |      | Str./Page No/Seite 1/ 2                                                  |       |      |      |      |      |       |       |        |
|                                                                                                                                                         |      |                                                                                                                                                   |      | Nr dokumentu /Document No. /Bescheinigungsnummer<br><b>235115500</b>     |       |      |      |      |      |       |       |        |
|                                                                                                                                                         |      |                                                                                                                                                   |      | Data dokumentu /Date of issue/Datum der Ausstellung<br><b>06.02.2017</b> |       |      |      |      |      |       |       |        |
| Zamawiający/Customer/Besteller<br><b>RAVEN A.S.</b><br><b>SOLTESOVEJ 420/2</b><br><b>017 01 POVAŽSKÁ BYSTRICA</b><br>Kraj/Country/Land: <b>Slovakia</b> |      | Odbiorca/Consignee/Empfänger<br><b>Invest s.r.o.</b><br><b>Areal Duslo # objekt 21</b><br><b>92703 SALA</b><br>Kraj/Country/Land: <b>Slovakia</b> |      | A01                                                                      |       |      |      |      |      |       |       |        |
| Zamówienie Klienta Nr/ Customer#s Order No/ Kundenbestell-Nr<br><b>NJ901700280</b>                                                                      |      | Zlecenie Prod. Nr/ Works Order No/ Werksauftrags-Nr<br><b>73530803</b>                                                                            |      | A02                                                                      |       |      |      |      |      |       |       |        |
| Według/ according to/ entsprechend<br><b>PN-H-93220</b>                                                                                                 |      | Cechowanie/ Marking/ Kennzeichnung<br>                                                                                                            |      | Znaki zgodności/ Conformity marks/ Übereinstimmungszeichen<br>           |       |      |      |      |      |       |       |        |
| Stan dostawy/ Cond.of delivery/ Lieferzustand<br><b>QTB</b>                                                                                             |      |                                                                                                                                                   |      | A03                                                                      |       |      |      |      |      |       |       |        |
| Wymiar/Product/Erzeugnis/Gatunek/Grade/Stahlsorte<br>Średn./Diam./Durchmesser/Dłg./Length/Länge                                                         |      | Nr wytopu/Heat No./Charge Nr                                                                                                                      |      | Sztuki/Pieces/Stücke                                                     |       |      |      |      |      |       |       |        |
| B01, B09-B11                                                                                                                                            |      | B081                                                                                                                                              |      | B07                                                                      |       |      |      |      |      |       |       |        |
| CELSAMAX B500SP 10.0<br>CELSAMAX B500SP 10.0<br>CELSAMAX B500SP 10.0<br>CELSAMAX B500SP 10.0                                                            |      | HO535412<br>HO535443<br>HO535836<br>HO535894                                                                                                      |      | 1<br>1<br>4<br>2                                                         |       |      |      |      |      |       |       |        |
|                                                                                                                                                         |      |                                                                                                                                                   |      | 2.978<br>2.946<br>11.849<br>5.914                                        |       |      |      |      |      |       |       |        |
| Suma / Total                                                                                                                                            |      |                                                                                                                                                   |      | 8 23.687                                                                 |       |      |      |      |      |       |       |        |
| <b>Analiza wytopowa / Cast analysis / Schmelzenanalyse [%]</b>                                                                                          |      |                                                                                                                                                   |      |                                                                          |       |      |      |      |      |       |       |        |
| Nr Wytopu/<br>Heat No/<br>Charge-Nr                                                                                                                     | C %  | Mn %                                                                                                                                              | Si % | P %                                                                      | S %   | Cu % | Cr % | Ni % | Mo % | V %   | N %   | CEV %  |
| B07                                                                                                                                                     | C71  | C72                                                                                                                                               | C73  | C74                                                                      | C75   | C76  | C77  | C78  | C79  | C80   | C81   | C82    |
| HO535412                                                                                                                                                | 0.21 | 0.82                                                                                                                                              | 0.14 | 0.013                                                                    | 0.031 | 0.22 | 0.08 | 0.08 | 0.01 | 0.002 | 0.009 | 0.3851 |
| HO535443                                                                                                                                                | 0.21 | 0.88                                                                                                                                              | 0.15 | 0.021                                                                    | 0.041 | 0.20 | 0.10 | 0.09 | 0.01 | 0.002 | 0.009 | 0.3984 |
| HO535836                                                                                                                                                | 0.21 | 1.10                                                                                                                                              | 0.21 | 0.019                                                                    | 0.028 | 0.24 | 0.11 | 0.11 | 0.02 | 0.003 | 0.009 | 0.4433 |
| HO535894                                                                                                                                                | 0.21 | 0.83                                                                                                                                              | 0.15 | 0.014                                                                    | 0.043 | 0.24 | 0.08 | 0.08 | 0.01 | 0.002 | 0.008 | 0.3881 |
| <b>Analiza wytopowa / Cast analysis / Schmelzenanalyse [%]</b>                                                                                          |      |                                                                                                                                                   |      |                                                                          |       |      |      |      |      |       |       |        |
| Nr Wytopu/<br>Heat No/<br>Charge-Nr                                                                                                                     |      |                                                                                                                                                   |      |                                                                          |       |      |      |      |      |       |       |        |
|                                                                                                                                                         |      |                                                                                                                                                   |      |                                                                          |       |      |      |      |      |       |       |        |
| Deklaracja zgodności/Statement of compliance/Konformitätserklärung                                                                                      |      |                                                                                                                                                   |      |                                                                          |       |      |      |      |      |       |       |        |
| Dyrektor Jakości/ Quality Manager/S. Klusek<br>                                                                                                         |      |                                                                                                                                                   |      |                                                                          |       |      |      |      |      |       |       |        |

|                                                                                                                                                                                               |                                                                                                                                                   |  |                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|
|  <b>CELSA GROUP</b><br>CELSA "HUTA OSTROWIEC" Sp. z o.o.<br>ul. Samsonowicza 2<br>27- 400 Ostrowiec Św. Poland | <b>ŚWIADECTWO ODBIORU 3.1</b><br><b>INSPECTION CERTIFICATE</b><br><b>ABNAHMEPRÜFZEUGNIS</b><br><b>według/acc. to/entsprechend EN 10204:2004</b>   |  | Str./Page No/Seite 2/ 2                                                 |
|                                                                                                                                                                                               |                                                                                                                                                   |  | Nr dokumentu /Document No.<br>/Bescheinigungsnummer<br><b>235115500</b> |
|                                                                                                                                                                                               |                                                                                                                                                   |  | Data dokumentu/Date of issue/Datum der Ausstellung<br><b>06.02.2017</b> |
| Zamawiający/Customer/Besteller<br><b>RAVEN A.S.</b><br><b>SOLTESOVEJ 420/2</b><br><b>017 01 POVAŽSKÁ BYSTRICA</b><br>Kraj/Country/Land: <b>Slovakia</b>                                       | Odbiorca/Consignee/Empfänger<br><b>Invest s.r.o.</b><br><b>Areal Duslo # objekt 21</b><br><b>92703 SALA</b><br>Kraj/Country/Land: <b>Slovakia</b> |  |                                                                         |
| Zamówienie Klienta Nr/ Customer#s Order No/ Kundenbestell-Nr<br><b>NJ901700280</b>                                                                                                            | Zlecenie Prod. Nr/ Works Order No/ Werksauftrags-Nr<br><b>73530803</b>                                                                            |  |                                                                         |

| Własności mechaniczne i technologiczne/Mechanical and technological properties/Mechanische und technologische Eigenschaften |            |               |               |       |         |          |       |       |
|-----------------------------------------------------------------------------------------------------------------------------|------------|---------------|---------------|-------|---------|----------|-------|-------|
| Nr Wytupu/<br>Heat No/<br>Charge-Nr/                                                                                        | Kg/m<br>kg | Re nom<br>MPa | Rm nom<br>MPa | Rm/Re | A5<br>% | Agt<br>% | Zg_Og | FR    |
| B07                                                                                                                         | C50        | C11           | C12           | C15   | C13     | C14      | C50   | C50   |
| HO535412                                                                                                                    | 0.625      | 522           | 657           | 1.26  | 26.2    | 10.4     | Ok    | 0.077 |
| HO535412                                                                                                                    | 0.620      | 512           | 649           | 1.27  | 24.6    | 10.8     | Ok    | 0.081 |
| HO535412                                                                                                                    | 0.622      | 526           | 655           | 1.25  | 24.4    | 9.9      | Ok    | 0.081 |
| HO535443                                                                                                                    | 0.624      | 569           | 681           | 1.20  | 23.2    | 8.6      | Ok    | 0.083 |
| HO535443                                                                                                                    | 0.624      | 550           | 678           | 1.23  | 25.0    | 9.0      | Ok    | 0.071 |
| HO535443                                                                                                                    | 0.627      | 559           | 688           | 1.23  | 24.2    | 8.4      | Ok    | 0.070 |
| HO535836                                                                                                                    | 0.627      | 526           | 691           | 1.31  | 26.2    | 8.6      | Ok    | 0.083 |
| HO535836                                                                                                                    | 0.624      | 521           | 686           | 1.32  | 26.0    | 9.9      | Ok    | 0.070 |
| HO535836                                                                                                                    | 0.624      | 558           | 702           | 1.26  | 23.6    | 10.5     | Ok    | 0.060 |
| HO535894                                                                                                                    | 0.622      | 568           | 688           | 1.21  | 22.0    | 10.5     | Ok    | 0.070 |
| HO535894                                                                                                                    | 0.622      | 560           | 675           | 1.21  | 24.6    | 10.6     | Ok    | 0.075 |
| HO535894                                                                                                                    | 0.622      | 566           | 687           | 1.21  | 22.4    | 9.4      | Ok    | 0.070 |

| Własności mechaniczne i technologiczne/Mechanical and technological properties/Mechanische und technologische Eigenschaften |                                                  |                                 |               |                                                                                                    |     |     |     |                                        |
|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------|---------------|----------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------|
| Nr Wytupu/<br>Heat No/<br>Charge-Nr                                                                                         | Udarność / Impact test / Kerrbschlagbiegeversuch |                                 |               |                                                                                                    |     |     |     |                                        |
|                                                                                                                             | Typ próbki/Type of sp.<br>/Probenform            | Kierunek/Direction<br>/Richtung | Temp.<br>[°C] | Praca łamania/Impact energy/Schlagarbeit [J]<br>Udarność/Impact test/Kerrbschlagbiegeversuch[J/cm] |     |     |     | Wartość średnia<br>/Average/Mittelwert |
|                                                                                                                             |                                                  |                                 |               | 1                                                                                                  | 2   | 3   |     |                                        |
| B07                                                                                                                         | C40/C41                                          | C02                             | C44           | C42                                                                                                | C42 | C42 | C42 | C43                                    |
|                                                                                                                             |                                                  |                                 |               |                                                                                                    |     |     |     |                                        |

Metoda produkcji / Manufacturing route / Herstellungsverfahren: EAF / LF / CCM / QTB.  
 Jakość powierzchni bez wad/No surface defects/Oberflächenbeschaffenheit ohne Beanstandung.

Znak CE/CE mark/CE-Zeichen

Zaświadczamy, że dostarczone wyroby są zgodne z wymaganiami zamówienia klienta./  
 We hereby certify that the material described above complies with the terms of the customer order. /  
 Es wird bestätigt, daß die Lieferung den Bestellanforderungen entspricht.

Dyrektor Jakości/ Quality Manager/S. Klusek

*S. Klusek*